

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
: :
Naganori Numao :
: :
Serial No.: To be assigned : Art Unit: To be assigned
: :
Filed: Herewith : Examiner: To be assigned
: :
For: PREDICTION OF UNKNOWN : Atty Docket: 21776/0066
BIOLOGICAL FUNCTION OF :
THE ACTIVE SITE IN :
PROTEINS OR/AND :
POLYNUCLEOTIDES, AND ITS :
UTILIZATION :

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to initial examination of the above-identified CIP application, please amend the case as follows.

IN THE CLAIMS

Please amend claims 11 and 13-15 to read as follows:

11. (Amended) A program wherein the method according to claim 1 is constructed using a mathematical means, which realizes, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid, or nucleotide sequence.

13. (Amended) A storage medium readable on a computer, which stores a program wherein the method according to claim 1 is constructed using a mathematical means,

the program realizing, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid sequence, or nucleotide sequence.

14. (Amended) A binding mode of at least two kinds of arbitrary proteins (or amino acid sequences, nucleotide sequences), which is predicted by the method according to claim 1.

15. (Amended) An application of biological functional activity of an arbitrary protein or nucleotide sequence predicted by the method according to claim 1, the activity being employed for at least one selected from a pesticide as a therapeutic agent, a medicament as a therapeutic agent, prevention of a hereditary disease, diagnosis of a hereditary disease, prevention of a pestilence, and diagnosis of a pestilence.

REMARKS

The claims have been amended to eliminate multiple dependency and to improve their format. None of these amendments is believed to involve any new matter. Accordingly, it is respectfully requested that the foregoing amendments be entered, that the application as so amended receive an examination on the merits, and that the claims as now presented receive an early allowance.

Respectfully submitted,



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Date: 12/27/01

AMENDMENTS TO THE CLAIMS

11. (Amended) A program wherein the method according to [any one of claims] claim 1 [to 10] is constructed using a mathematical means, which realizes, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid, or nucleotide sequence.

13. (Amended) A storage medium readable on a computer, which stores a program wherein the method according to [any one of claims] claim 1 [to 10] is constructed using a mathematical means, the program realizing, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid sequence, or nucleotide sequence.

14. (Amended) A binding mode of at least two kinds of arbitrary proteins (or amino acid sequences, nucleotide sequences), which is predicted by the method according to [any one of claims] claim 1 [to 10].

15. (Amended) An application of biological functional activity of an arbitrary protein or nucleotide sequence predicted by the method according to [any one of claims] claim 1 [to 10],

the activity being employed for at least one selected from a pesticide as a therapeutic agent, a medicament as a therapeutic agent, prevention of a hereditary disease, diagnosis of a hereditary disease, prevention of a pestilence, and diagnosis of a pestilence.